

858 Shipment Information

Functional Group ID=**SI**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Shipment Information Transaction Set (858) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the sender with the capability to transmit detailed bill-of-lading, rating, and/or scheduling information pertinent to a shipment. This transaction set can also be used to exchange Government Bills of Lading (GBLs), Commercial Bills of Lading (CBLs), Transportation Control and Movement Documents (TCMDs), and Personal Property Government Bills of Lading (PPGBLs). It may be used by the U.S. Civilian Government, U.S. Department of Defense, and any of their trading partners to exchange information about the shipment of freight, household goods, and passengers. This transaction set fulfills information requirements established by U.S. Government transportation movement rules and regulations.

Heading:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
	010	ST	Transaction Set Header	M	1		
Not Used	020	ZC1	Beginning Segment for Data Correction or Change	O	1		
6	030	BX	General Shipment Information	M	1		n1
8	040	BNX	Rail Shipment Information	O	1		
Not Used	050	M3	Release	O	1		
9	060	N9	Reference Identification	O	30		
Not Used	065	CM	Cargo Manifest	O	3		
Not Used	070	Y6	Authentication	O	4		
11	080	Y7	Priority	O	1		
Not Used	090	C3	Currency	O	1		
Not Used	100	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
12	110	G62	Date/Time	O	10		
13	120	PER	Administrative Communications Contact	O	3		
Not Used	130	NA	Cross-Reference Equipment	O	999		
15	140	F9	Origin Station	O	1		
17	150	D9	Destination Station	O	1		
Not Used	160	R1	Route Information (Air)	O	1		
19	170	R2	Route Information	O	13		
Not Used	175	R3	Route Information - Motor	O	13		
Not Used	180	R4	Port or Terminal	O	5		
Not Used	190	MEA	Measurements	O	10		
21	200	H3	Special Handling Instructions	O	20		
Not Used	201	PS	Protective Service Instructions	O	5		
Not Used	210	H6	Special Services	O	6		
Not Used	211	V4	Cargo Location Reference	O	1		

858R - Freight Bill of Lading Shipment Information

Not Used	212	V5	Vessel Code	O	1				
LOOP ID - E1						2			
23	220	E1	Empty Car Disposition - Pended Destination Consignee	O	1				
24	230	E4	Empty Car Disposition - Pended Destination City	O	1				
25	240	E5	Empty Car Disposition - Pended Destination Route	O	13				
Not Used	245	PI	Price Authority Identification	O	1				
Not Used	250	M1	Insurance	O	1				
Not Used	260	M2	Sales/Delivery Terms	O	1				
26	270	L7	Tariff Reference	O	30				
28	280	NTE	Note/Special Instruction	O	50				
Not Used	290	XH	Pro Forma - B13 Information	O	1				
LOOP ID - N7						600			
29	330	N7	Equipment Details	O	1				
32	331	EM	Equipment Characteristics	O	1				
33	335	NA	Cross-Reference Equipment	O	30				
35	340	M7	Seal Numbers	O	5				
36	350	N5	Equipment Ordered	O	1				
38	360	REF	Reference Identification	O	5				
Not Used	370	IC	Intermodal Chassis Equipment	O	1				
Not Used	375	VC	Motor Vehicle Control	O	21				
Not Used	380	GA	Canadian Grain Information	O	15				
LOOP ID - E1						2			
Not Used	381	E1	Empty Car Disposition - Pended Destination Consignee	O	1				
Not Used	382	E4	Empty Car Disposition - Pended Destination City	O	1				
Not Used	383	E5	Empty Car Disposition - Pended Destination Route	O	13				
Not Used	384	PI	Price Authority Identification	O	1				
LOOP ID - N1						12			
40	390	N1	Name	O	1				
42	400	N2	Additional Name Information	O	2				
43	410	N3	Address Information	O	2				
44	420	N4	Geographic Location	O	1				
Not Used	430	REF	Reference Identification	O	12				
45	440	PER	Administrative Communications Contact	O	3				
Not Used	445	H3	Special Handling Instructions	O	5				
LOOP ID - S5						999			
47	450	S5	Stop-off Details	O	1				
49	460	G62	Date/Time	O	6				
Not Used	470	N9	Reference Identification	O	10				
Not Used	480	H6	Special Services	O	6				
LOOP ID - N1						5			
50	490	N1	Name	O	1				
51	500	N2	Additional Name Information	O	2				

858R - Freight Bill of Lading Shipment Information

52	510	N3	Address Information	O	2	
53	520	N4	Geographic Location	O	1	
Not Used	530	REF	Reference Identification	O	12	
54	540	PER	Administrative Communications Contact	O	3	
LOOP ID - FA1					>1	
56	550	FA1	Type of Financial Accounting Data	O	1	
57	560	FA2	Accounting Data	M	>1	
59	570	L10	Weight	O	1	

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - HL							>1
60	010	HL	Hierarchical Level	M	1		
62	020	N7	Equipment Details	O	1		
65	030	NA	Cross-Reference Equipment	O	1		
67	040	M7	Seal Numbers	O	5		
Not Used	050	N5	Equipment Ordered	O	1		
Not Used	060	REF	Reference Identification	O	5		
Not Used	070	IC	Intermodal Chassis Equipment	O	1		
Not Used	080	VC	Motor Vehicle Control	O	24		
68	090	L7	Tariff Reference	O	10		
70	095	SL1	Tariff Reference	O	1		
72	100	N9	Reference Identification	O	10		
Not Used	105	H3	Special Handling Instructions	O	1		
Not Used	110	X1	Export License	O	6		
Not Used	120	X2	Import License	O	1		
74	130	L5	Description, Marks and Numbers	O	10		
Not Used	131	PER	Administrative Communications Contact	O	5		
Not Used	132	LH2	Hazardous Classification Information	O	6		
Not Used	133	LHR	Hazardous Material Identifying Reference Numbers	O	1		
76	134	LH6	Hazardous Certification	O	5		
Not Used	137	Y7	Priority	O	2		
Not Used	138	G62	Date/Time	O	10		
77	140	NTE	Note/Special Instruction	O	100		
Not Used	142	LP	Load Planning	O	1		
Not Used	143	AXL	Vehicle Axle Measurements	O	12		
LOOP ID - L0						20	
78	145	L0	Line Item - Quantity and Weight	O	1		
81	150	L1	Rate and Charges	O	20		
84	160	MEA	Measurements	O	10		
LOOP ID - LH1						100	
87	170	LH1	Hazardous Identification Information	O	1		
90	180	LH2	Hazardous Classification Information	O	4		n2
92	190	LH3	Hazardous Material Shipping Name	O	12		

858R - Freight Bill of Lading Shipment Information

93	191	LFH	Freeform Hazardous Material Information	O	20	
Not Used	192	LEP	EPA Required Data	O	3	
Not Used	200	LH4	Canadian Dangerous Requirements	O	1	
Not Used	201	LHT	Transborder Hazardous Requirements	O	3	
95	210	LHR	Hazardous Material Identifying Reference Numbers	O	10	n3
Not Used	215	PER	Administrative Communications Contact	O	5	
Not Used	220	LHE	Empty Equipment Hazardous Material Information	O	1	n4
LOOP ID - FA1					>1	
96	230	FA1	Type of Financial Accounting Data	O	1	
97	240	FA2	Accounting Data	M	>1	
99	250	L10	Weight	O	1	
LOOP ID - NM1					4	
Not Used	260	NM1	Individual or Organizational Name	O	1	
Not Used	270	N3	Address Information	O	2	
Not Used	280	N4	Geographic Location	O	1	
LOOP ID - N1					4	
100	290	N1	Name	O	1	
101	300	N2	Additional Name Information	O	2	
102	310	N3	Address Information	O	2	
103	320	N4	Geographic Location	O	1	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
104	010	L3	Total Weight and Charges	O	1		
106	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.
2. If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.
3. All receivers of the EDI transactions covering empty tank cars which last contained hazardous commodities must be able to add the constant words: RESIDUE: LAST CONTAINED ahead of the contents of LHE01 and add the constant: RESIDUE following the contents of the LHE02 when printing paper documents.
4. When used in the hazardous material loop, the segment will identify the various certification, exemption or shipper-related numbers that relate to the specific line item of the shipment that are in addition to the UN/UA number reference in the LH1 segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			858 Shipment Information	
M	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment: **BX** General Shipment Information
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identification numbers and other basic shipment data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	BX01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
			01 Cancellation	
			04 Change	
			14 Advance Notification	
			20 Final Transmission	
M	BX02	91	Transportation Method/Type Code	M ID 1/2
			Code specifying the method or type of transportation for the shipment	
			<i>See Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) for appropriate code values.</i>	
			<i>To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/</i>	
			<i>[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]</i>	
M	BX03	146	Shipment Method of Payment	M ID 2/2
			Code identifying payment terms for transportation charges	
			CC Collect	
			CD Collect on Delivery	
			PP Prepaid (by Seller)	
Must Use	BX04	145	Shipment Identification Number	O AN 1/30
			Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
Must Use	BX05	140	Standard Carrier Alpha Code	O ID 2/4
			Standard Carrier Alpha Code	

			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	BX06	188	Weight Unit Code	O ID 1/1
			Code specifying the weight unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Must Use	BX07	147	Shipment Qualifier	O ID 1/1
			Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time	
			B	Bill of Lading for Individual Shipment
			F	Stop-off Shipment
			G	Switch Waybill
			M	Master Bill of Lading for Assembly, Distribution and Volume Shipment
Not Used	BX08	226	Section Seven Code	O ID 1/1
			Code indicating applicability of section seven option (if not transmitted assume not in effect)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	BX09	195	Capacity Load Code	O ID 1/1
			Code specifying type of capacity load	
			F	Full Capacity
	BX10	160	Status Report Request Code	O ID 1/1
			Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered	
			R	Automatic Status Report Requested
Not Used	BX11	501	Customs Documentation Handling Code	O ID 2/2
			Code defining method of handling for documentation	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	BX12	199	Confidential Billing Request Code	O ID 1/1
			Code used by the shipper to request that the carrier inhibit origin identification information from the invoice transaction sets and/or rate and charges from waybill documents and transaction sets when shipment moves under confidential contract rates	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	BX13	714	Goods and Services Tax Reason Code	O ID 1/1
			Code required to identify the reason for a 0% rated goods and services tax	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	BX14	346	Application Type	O ID 2/2
			Code identifying an application	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **BNX** Rail Shipment Information
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit rail-specific shipment data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	BNX01	460 Shipment Weight Code	O ID 1/1
		Code indicating the way by which weights are obtained for a particular shipment	
		A Shipper's Weight Agreement	
Not Used	BNX02	129 Referenced Pattern Identifier	O AN 1/13
		Identification of a repetitive pattern that is to be used as a basis for creating a shipment record or a new pattern; or identification of a pattern requiring change or deletion	
Must Use	BNX03	11 Billing Code	O ID 1/1
		Code indicating type of Bill	
		S Single Shipment Billing	
Not Used	BNX04	223 Repetitive Pattern Number	O N0 5/5
		RWC number composed of a four-digit number with a fifth digit being a modulus 10 check digit	

Segment: **N9** **Reference Identification**
Position: 060
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 30
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification CN Carrier's Reference Number (PRO/Invoice) CT Contract Number FI File Identifier PO Purchase Order Number RG Route Order Number-Domestic RH Route Order Number-Export RJ Route Order Number-Emergency SV Service Charge Number	M ID 2/3
Must Use	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	N903	369	Free-form Description Free-form descriptive text	X AN 1/45
	N904	373	Date Date expressed as CCYYMMDD	O DT 8/8
Not Used	N905	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	N906	623	Time Code	O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	N907	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Not Used	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C04002	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C04004	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04005	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C04006	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **Y7** Priority**Position:** 080**Loop:****Level:** Heading**Usage:** Optional**Max Use:** 1**Purpose:** To assign a priority to a booking which would increase the possibility that this cargo would be booked on said voyage and not be shut out**Syntax Notes:** 1 If either Y702 or Y703 is present, then the other is required.**Semantic Notes:** 1 Y705 is the date specified by the shipper indicating when the shipment is required at the consignee's location.**Comments:****Data Element Summary**

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	Y701	467 Priority Number indicating importance	O N0 1/1
Not Used	Y702	470 Priority Code Code indicating level of priority: 1-highest, 0-implies priority not assigned	X N0 1/1
Not Used	Y703	471 Priority Code Qualifier Number indicating the number of levels of priority (1 to 9) used for data element 470, Priority Code	X AN 1/1
Not Used	Y704	468 Port Call File Number Reference number assigned by a shipper	O N0 4/4
Not Used	Y705	373 Date Date expressed as CCYYMMDD	O DT 8/8

Segment: **G62** Date/Time
Position: 110
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of G6201 or G6203 is required.
- 2 If either G6201 or G6202 is present, then the other is required.
- 3 If either G6203 or G6204 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	G6201	432	Date Qualifier	X ID 2/2
			Code specifying type of date	
			35 Delivered on This Date	
			54 Deliver No Later Than Date	
			68 Requested Delivery Date	
			76 Bill of Lading	
			86 Actual Pickup Date	
Must Use	G6202	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
	G6203	176	Time Qualifier	X ID 1/2
			Code specifying the reported time	
			8 Actual Pickup Time	
	G6204	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Must Use	G6205	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
			GM Greenwich Mean Time	
			LT Local Time	

Segment: **PER** **Administrative Communications Contact**
Position: 120
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named EF Emergency Contact-Military Traffic Management Command (MTMC) IC Information Contact	M ID 2/2
Not Used	PER02	93	Name Free-form name	O AN 1/60
Must Use	PER03	365	Communication Number Qualifier Code identifying the type of communication number AU Defense Switched Network FT Federal Telecommunications System (FTS) IT International Telephone TE Telephone	X ID 2/2
Must Use	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Not Used	PER05	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Not Used	PER07	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2

858R - Freight Bill of Lading Shipment Information

			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	PER08	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
Not Used	PER09	443	Contact Inquiry Reference	O AN 1/20
			Additional reference number or description to clarify a contact number	

Segment:	F9	Origin Station
Position:	140	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify the rail origin of the shipment	
Syntax Notes:		
Semantic Notes:	<ol style="list-style-type: none"> 1 F902 is the origin station for movement. 2 F904 is the country code for the city named in the F902. 3 F905 is the freight station accounting code of the origin junction settlement carrier. 4 F908 is the Standard Point Location Code (SPLC) for the city named in the F902. 5 F909 is the postal code for the city named in the F902. 6 F910 is the Standard Point Location Code (SPLC) for the city named in the F906. 7 F911 is the postal code for the city named in the F906. 8 F912 is the country code for the city named in the F906. 	
Comments:	<ol style="list-style-type: none"> 1 F905 is the freight station accounting code of the city named in F906. 	

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Not Used	F901	573 Freight Station Accounting Code	O ID 1/5
		Code (Freight Station Accounting) (AAR Managed Code for Locations)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
M	F902	19 City Name	M AN 2/30
		Free-form text for city name	
M	F903	156 State or Province Code	M ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	F904	26 Country Code	O ID 2/3
		Code identifying the country	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	F905	573 Freight Station Accounting Code	O ID 1/5
		Code (Freight Station Accounting) (AAR Managed Code for Locations)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	F906	19 City Name	O AN 2/30
		Free-form text for city name	
Not Used	F907	156 State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government	

			agency
			Refer to 004010 Data Element Dictionary for acceptable code values.
	F908	154	Standard Point Location Code O ID 6/9
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city
			Refer to 004010 Data Element Dictionary for acceptable code values.
Not Used	F909	116	Postal Code O ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)
			Refer to 004010 Data Element Dictionary for acceptable code values.
Not Used	F910	154	Standard Point Location Code O ID 6/9
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city
			Refer to 004010 Data Element Dictionary for acceptable code values.
Not Used	F911	116	Postal Code O ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)
			Refer to 004010 Data Element Dictionary for acceptable code values.
Not Used	F912	26	Country Code O ID 2/3
			Code identifying the country
			Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	D9 Destination Station
Position:	150
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify the rail destination of the shipment
Syntax Notes:	
Semantic Notes:	<ol style="list-style-type: none"> 1 D902 is the destination station of movement. 2 D904 is the country code for the city named in the D902. 3 D905 is the freight station accounting code of the destination junction settlement carrier. 4 D908 is the Standard Point Location Code (SPLC) for the city named in the D902. 5 D909 is the postal code for the city names in the D902. 6 D910 is the Standard Point Location Code (SPLC) for the city named in the D906. 7 D911 is the postal code for the city named in the D906. 8 D912 is the country code for the city named in the D906.
Comments:	<ol style="list-style-type: none"> 1 D905 is the freight station accounting code of the city name in D906.

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Not Used	D901	573 Freight Station Accounting Code	O ID 1/5
		Code (Freight Station Accounting) (AAR Managed Code for Locations)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
M	D902	19 City Name	M AN 2/30
		Free-form text for city name	
M	D903	156 State or Province Code	M ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	D904	26 Country Code	O ID 2/3
		Code identifying the country	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	D905	573 Freight Station Accounting Code	O ID 1/5
		Code (Freight Station Accounting) (AAR Managed Code for Locations)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	D906	19 City Name	O AN 2/30
		Free-form text for city name	
Not Used	D907	156 State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government	

			agency
			Refer to 004010 Data Element Dictionary for acceptable code values.
	D908	154	Standard Point Location Code O ID 6/9
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city
			Refer to 004010 Data Element Dictionary for acceptable code values.
Not Used	D909	116	Postal Code O ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)
			Refer to 004010 Data Element Dictionary for acceptable code values.
Not Used	D910	154	Standard Point Location Code O ID 6/9
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city
			Refer to 004010 Data Element Dictionary for acceptable code values.
Not Used	D911	116	Postal Code O ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)
			Refer to 004010 Data Element Dictionary for acceptable code values.
Not Used	D912	26	Country Code O ID 2/3
			Code identifying the country
			Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **R2** Route Information
Position: 170
Loop:
Level: Heading
Usage: Optional
Max Use: 13
Purpose: To specify carrier and routing sequences and details
Syntax Notes: 1 If R208 is present, then R207 is required.
Semantic Notes: 1 R203 is the station or city name at which carriers interchange shipments.
 2 R210 is the billing date.
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	R201	140	Standard Carrier Alpha Code	M ID 2/4
			Standard Carrier Alpha Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
M	R202	133	Routing Sequence Code	M ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement	
		1	1st Carrier after Origin Carrier	
		2	2nd Carrier after Origin Carrier	
		3	3rd Carrier after Origin Carrier	
		4	4th Carrier after Origin Carrier	
		5	5th Carrier after Origin Carrier	
		6	6th Carrier after Origin Carrier	
		7	7th Carrier after Origin Carrier	
		8	8th Carrier after Origin Carrier	
		9	9th Carrier after Origin Carrier	
		A	Origin Carrier, Agent's Routing (Rail)	
		S	Origin Carrier, Shipper's Routing (Rail)	
	R203	19	City Name	O AN 2/30
			Free-form text for city name	
	R204	154	Standard Point Location Code	O ID 6/9
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	R205	177	Intermodal Service Code	O ID 1/2
			Code identifying the Intermodal Service Plan	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Not Used	R206	91	Transportation Method/Type Code	O ID 1/2
			Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	R207	296	Intermediate Switch Carrier	X ID 2/4
			Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier) Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	R208	296	Intermediate Switch Carrier	O ID 2/4
			Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier) Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	R209	76	Invoice Number	O AN 1/22
			Identifying number assigned by issuer	
Not Used	R210	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
Not Used	R211	369	Free-form Description	O AN 1/45
			Free-form descriptive text	
Not Used	R212	56	Type of Service Code	O ID 2/2
			Code specifying extent of transportation service requested Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	R213	742	Route Description	O AN 1/35
			Point to point routing description	

Segment: **H3** Special Handling Instructions
Position: 200
Loop:
Level: Heading
Usage: Optional
Max Use: 20
Purpose: To specify special handling instructions in coded or free-form format
Syntax Notes: 1 Only one of H301 or H302 may be present.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	H301	152	Special Handling Code	X ID 2/3
Code specifying special transportation handling instructions				
<i>See Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) for the valid code list.</i>				
<i>To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/</i>				
<i>[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]</i>				
Must Use	H302	153	Special Handling Description	X AN 2/30
Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate				
<i>Use the X12 code for H301 from Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) to indicate the actual surveillance service provided.</i>				
<i>To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/</i>				
<i>[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]</i>				
Not Used	H303	241	Protective Service Code	O ID 1/4
Code specifying perishable protective service- rail carriers only				
Refer to 004010 Data Element Dictionary for acceptable code values.				
Not Used	H304	242	Vent Instruction Code	O ID 1/7
Code specifying vent instructions				
Refer to 004010 Data Element Dictionary for acceptable code values.				

Not Used	H305	257	Tariff Application Code	O ID 1/1
Code indicating to which traffic a tariff applies				
Refer to 004010 Data Element Dictionary for acceptable code values.				

Segment: **E1** Empty Car Disposition - Pended Destination Consignee
Position: 220
Loop: E1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify the party receiving the empty car
Syntax Notes: 1 If either E102 or E103 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	E101	459	Name (30 Character Format)		M AN 2/30
				Free-form organization name or official title as it should appear for mailing address	
Not Used	E102	66	Identification Code Qualifier		X ID 1/2
				Code designating the system/method of code structure used for Identification Code (67)	
				Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	E103	67	Identification Code		X AN 2/80
				Code identifying a party or other code	

Segment: **E4** Empty Car Disposition - Pended Destination City
Position: 230
Loop: E1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of named party receiving the empty car
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	E401	19 City Name Free-form text for city name	M AN 2/30
M	E402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
Not Used	E403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 3/15
Not Used	E404	26 Country Code Code identifying the country Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3

Segment: **E5** Empty Car Disposition - Pended Destination Route
Position: 240
Loop: E1 Optional
Level: Heading
Usage: Optional
Max Use: 13
Purpose: To specify the routing of the empty car
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	E501	140	Standard Carrier Alpha Code	M ID 2/4
			Standard Carrier Alpha Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
M	E502	133	Routing Sequence Code	M ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement	
		1	1st Carrier after Origin Carrier	
		2	2nd Carrier after Origin Carrier	
		3	3rd Carrier after Origin Carrier	
		4	4th Carrier after Origin Carrier	
		5	5th Carrier after Origin Carrier	
Not Used	E503	19	City Name	O AN 2/30
			Free-form text for city name	
Not Used	E504	154	Standard Point Location Code	O ID 6/9
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **L7** **Tariff Reference**
Position: 270
Loop:
Level: Heading
Usage: Optional
Max Use: 30
Purpose: To reference details of the tariff used to arrive at applicable rates or charge
Syntax Notes:
Semantic Notes:

- 1 L710 is the effective date.
- 2 In L715 and L716, "City" and "State" are used for rate combination city and state.

Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Not Used	L701	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
Not Used	L702	168	Tariff Agency Code Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/4
Not Used	L703	171	Tariff Number Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O AN 1/7
Not Used	L704	172	Tariff Section Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	O AN 1/2
Not Used	L705	169	Tariff Item Number Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	O AN 1/16
Not Used	L706	170	Tariff Item Part Number assigned to subsection of a specific tariff item (arbitrary)	O N0 1/2
Not Used	L707	59	Freight Class Code Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	O AN 2/5
Not Used	L708	173	Tariff Supplement Identifier Identifier for the tariff supplement which contains the rate used	O AN 1/4
Not Used	L709	46	Ex Parte Level of rates as published in the tariff	O AN 4/4
Not Used	L710	373	Date Date expressed as CCYYMMDD	O DT 8/8

Not Used	L711	119	Rate Basis Number The (mileage) factor published for rating purposes in the appropriate tariff	O AN 1/6
Not Used	L712	227	Tariff Column A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications	O AN 1/2
Must Use	L713	294	Tariff Distance Distance on which the rate for a shipment is based	O N0 1/5
Must Use	L714	295	Distance Qualifier Code identifying the distance unit T Tariff Miles	O ID 1/1
Not Used	L715	19	City Name Free-form text for city name	O AN 2/30
Not Used	L716	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **NTE** Note/Special Instruction
Position: 280
Loop:
Level: Heading
Usage: Optional
Max Use: 50
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:**Semantic Notes:**

Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
Must Use	NTE01	363	Note Reference Code	O ID 3/3
			Code identifying the functional area or purpose for which the note applies	
			ADD	Additional Information
			CHG	Change
			CLR	Security Clearance Instructions
			INT	General Order Instructions
			LOI	Loading Instructions
M	NTE02	352	Description	M AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment:	N7	Equipment Details
Position:	330	
Loop:	N7	Optional
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify the equipment	
Syntax Notes:	1 If either N703 or N704 is present, then the other is required. 2 If either N705 or N716 is present, then the other is required. 3 If either N708 or N709 is present, then the other is required.	
Semantic Notes:	1 N712 is the owner of the equipment. 2 N723 is the operator or carrier of the rights of the equipment.	
Comments:	1 N701 is mandatory for rail transactions. 2 N720 and N721 are expressed in inches.	

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N701	206		Equipment Initial	O AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number	
			<i>See Section 9.0 (DTEDI Government Bill of Lading Implementation Convention) for further clarification of equipment information.</i>	
			<i>To find Section 9.0 on the web, go to http://www.lmi.org/dtedi/</i>	
			<i>[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 9.0. That document is available in PDF format.]</i>	
M	N702	207	Equipment Number	M AN 1/10
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
	N703	81	Weight	X R 1/10
			Numeric value of weight	
	N704	187	Weight Qualifier	X ID 1/2
			Code defining the type of weight	
			N Actual Net Weight	
Not Used	N705	167	Tare Weight	X N0 3/8
			Weight of the equipment	
Not Used	N706	232	Weight Allowance	O N0 2/6
			Allowance made for increased weight due to such factors as snow	
Not Used	N707	205	Dunnage	O N0 1/6
			Weight of material used to protect lading (even bracings, false floors, etc.)	

	N708	183	Volume Value of volumetric measure	X R 1/8
	N709	184	Volume Unit Qualifier Code identifying the volume unit E Cubic Feet	X ID 1/1
Not Used	N710	102	Ownership Code Code indicating the relationship of equipment to carrier or ownership of equipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
Not Used	N711	40	Equipment Description Code Code identifying type of equipment used for shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	N712	140	Standard Carrier Alpha Code Standard Carrier Alpha Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/4
	N713	319	Temperature Control Free-form abbreviation of temperature range or flash-point temperature	O AN 3/6
Not Used	N714	219	Position Relative position of shipment in car, trailer, or container (mutually defined)	O AN 1/3
	N715	567	Equipment Length Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	O N0 4/5
Not Used	N716	571	Tare Qualifier Code Code identifying the type of tare Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
Not Used	N717	188	Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
Not Used	N718	761	Equipment Number Check Digit Number which designates the check digit applied to a piece of equipment	O N0 1/1
Not Used	N719	56	Type of Service Code Code specifying extent of transportation service requested Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	N720	65	Height Vertical dimension of an object measured when the object is in the upright position	O R 1/8
Not Used	N721	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position	O R 1/8
Must Use	N722	24	Equipment Type	O ID 4/4

Code identifying equipment type

Valid equipment code lists can be found in Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention).

Left justify the type equipment code and fill to the right with the lowercase 'x' until a length of four characters is reached.

To find Section 6.0 on the web, go to <http://www.lmi.org/dtedi/>

[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]

Not Used	N723	140	Standard Carrier Alpha Code	O ID 2/4
			Standard Carrier Alpha Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N724	301	Car Type Code	O ID 1/4
			Code specifying type of rail car or intermodal equipment type and its general characteristics	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **EM** **Equipment Characteristics**

Position: 331

Loop: N7 Optional

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To send additional information regarding a specific piece of equipment

Syntax Notes:

- 1 If EM02 is present, then EM01 is required.
- 2 If EM04 is present, then EM03 is required.

Semantic Notes:

- 1 EM02 is the maximum load weight.
- 2 EM04 is the maximum load volume.
- 3 EM05 is the country of manufacture.
- 4 EM07 is the last inspection date for convention of safe container.

Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Not Used	EM01	188	Weight Unit Code	X ID 1/1
			Code specifying the weight unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	EM02	81	Weight	O R 1/10
			Numeric value of weight	
Not Used	EM03	184	Volume Unit Qualifier	X ID 1/1
			Code identifying the volume unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	EM04	183	Volume	O R 1/8
			Value of volumetric measure	
Not Used	EM05	26	Country Code	O ID 2/3
			Code identifying the country	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	EM06	1429	Construction Type	O ID 1/2
			Contains the primary construction material	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Must Use	EM07	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	

Segment:	NA Cross-Reference Equipment
Position:	335
Loop:	N7 Optional
Level:	Heading
Usage:	Optional
Max Use:	30
Purpose:	To cross-reference additional equipment to a primary piece of equipment
Syntax Notes:	1 If NA01 is present, then NA02 is required.
Semantic Notes:	1 NA07 is the owner's Standard Carrier Alpha Code (SCAC) code. 2 NA11 indicates the equipment damage status. A "Y" indicates equipment is damaged; an "N" indicates equipment is not damaged.
Comments:	1 NA03 contains the equipment initial of an associated shipment and is required by rail. If unknown, use NONZ for van or NONU for container. 2 NA04 contains the equipment number of an associated shipment. 3 NA09 is the Standard Carrier Alpha Code (SCAC) code of the operator of the equipment.

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>ID</u> <u>AN</u> <u>M</u> <u>O</u>
Not Used	NA01	128 Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3
Not Used	NA02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
M	NA03	206 Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	M AN 1/4
M	NA04	207 Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M AN 1/10
	NA05	231 Cross Reference Type Code Code defining relationship of equipment to equipment cross-referenced F Conveying Flat Car	O ID 1/1
Not Used	NA06	219 Position Relative position of shipment in car, trailer, or container (mutually defined)	O AN 1/3
Not Used	NA07	140 Standard Carrier Alpha Code Standard Carrier Alpha Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/4
Not Used	NA08	567 Equipment Length Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	O N0 4/5

Not Used	NA09	140	Standard Carrier Alpha Code Standard Carrier Alpha Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/4
Not Used	NA10	845	Chassis Type Code identifying type of chassis Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	NA11	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

Segment: **M7** Seal Numbers
Position: 340
Loop: N7 Optional
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To record seal numbers used and the organization that applied the seals
Syntax Notes:
Semantic Notes:
Comments: 1 M705 indicates the name of the organization which applied the seal(s).

Data Element Summary

	Ref.	Data			Attributes
			<u>Element</u>	<u>Name</u>	
M	M701	225		Seal Number	M AN 2/15
				Unique number on seal used to close a shipment	
	M702	225		Seal Number	O AN 2/15
				Unique number on seal used to close a shipment	
	M703	225		Seal Number	O AN 2/15
				Unique number on seal used to close a shipment	
	M704	225		Seal Number	O AN 2/15
				Unique number on seal used to close a shipment	
Must Use	M705	98		Entity Identifier Code	O ID 2/3
				Code identifying an organizational entity, a physical location, property or an individual	
			CA	Carrier	
			SH	Shipper	

Segment: **N5** Equipment Ordered
Position: 350
Loop: N7 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify carrier equipment
Syntax Notes: 1 If either N507 or N508 is present, then the other is required.
Semantic Notes:
Comments: 1 N506 is expressed in inches.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N501	567	Equipment Length	O N0 4/5
		Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
N502	233	Weight Capacity	O N0 2/3
		Capacity of car ordered (stated in 1000 pound units or 1000 kilogram units)	
N503	203	Cubic Capacity	O N0 2/4
		Capacity of car ordered (cubic feet unless otherwise specified)	
Must Use	N504	301 Car Type Code	O ID 1/4
		Code specifying type of rail car or intermodal equipment type and its general characteristics	
		<i>Valid equipment code lists can be found in Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention). Left justify the type equipment code and fill to the right with the lowercase 'x' until a length of four characters is reached.</i>	
		<i>To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/</i>	
		<i>[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N505	216 Metric Qualifier	O ID 1/1
		Code used to indicate that measurements are given in metric units	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N506	65 Height	O R 1/8
		Vertical dimension of an object measured when the object is in the upright	

			position	
Not Used	N507	643	Lading Percentage	X N2 2/4
			Commodity percentage for rating	
Not Used	N508	644	Lading Percent Qualifier	X ID 1/1
			Code identifying type of lading percentage	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N509	40	Equipment Description Code	O ID 2/2
			Code identifying type of equipment used for shipment	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment:	REF Reference Identification
Position:	360
Loop:	N7 Optional
Level:	Heading
Usage:	Optional
Max Use:	5
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification EQ Equipment Number	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3

			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C04006	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **N1** Name
Position: 390
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			CA Carrier	
			CN Consignee	
			IU Issuer	
			KX Free on Board Point	
			PO Party to Receive Invoice for Goods or Services	
			SF Ship From	
			SH Shipper	
			ST Ship To	
			T4 Transfer Point	
			TT Transfer To	
Must Use	N102	93	Name	X AN 1/60
			Free-form name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			10 Department of Defense Activity Address Code (DODAAC)	
			33 Commercial and Government Entity (CAGE)	
			A2 Military Assistance Program Address Code (MAPAC)	
Must Use	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	

Not Used	N105	706	Entity Relationship Code Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3

Segment: **N2** **Additional Name Information**
Position: 400
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	N201	93 Name Free-form name	M AN 1/60
Not Used	N202	93 Name Free-form name	O AN 1/60

Segment: **N3** **Address Information**
Position: 410
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	N301	166	Address Information	M AN 1/55
			Address information	
Not Used	N302	166	Address Information	O AN 1/55
			Address information	

Segment: **N4 Geographic Location**
Position: 420
Loop: N1 Optional
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		BL Government Bill of Lading Office Code (GBLOC)	
		SL U.S. SPLC	
N406	310	Location Identifier	O AN 1/30
		Code which identifies a specific location	

Segment: PER Administrative Communications Contact**Position:** 440**Loop:** N1 Optional**Level:** Heading**Usage:** Optional**Max Use:** 3**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
 - 2 If either PER05 or PER06 is present, then the other is required.
 - 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:**Comments:****Data Element Summary**

	Ref.	Data	Name	Attributes
	Des.	Element		
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			EM Emergency Contact	
			IO Issuing Officer	
Must Use	PER02	93	Name	O AN 1/60
			Free-form name	
Must Use	PER03	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			AU Defense Switched Network	
			TE Telephone	
Must Use	PER04	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
Not Used	PER05	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	PER06	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
Not Used	PER07	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	PER08	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when	

Not Used	PER09	443	applicable Contact Inquiry Reference	O AN 1/20
Additional reference number or description to clarify a contact number				

Segment: **S5** Stop-off Details
Position: 450
Loop: S5 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify stop-off detail reference numbers and stop reason
Syntax Notes:

- 1 If either S503 or S504 is present, then the other is required.
- 2 If either S505 or S506 is present, then the other is required.
- 3 If either S507 or S508 is present, then the other is required.

Semantic Notes:

- 1 S509 is the stop reason description.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	S501	165 Stop Sequence Number	M N0 1/3
		Identifying number for the specific stop and the sequence in which the stop is to be performed	
M	S502	163 Stop Reason Code	M ID 2/2
		Code specifying the reason for the stop	
		LD Load	
		UL Unload	
Not Used	S503	81 Weight	X R 1/10
		Numeric value of weight	
Not Used	S504	188 Weight Unit Code	X ID 1/1
		Code specifying the weight unit	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	S505	382 Number of Units Shipped	X R 1/10
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
Not Used	S506	355 Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	S507	183 Volume	X R 1/8
		Value of volumetric measure	
Not Used	S508	184 Volume Unit Qualifier	X ID 1/1
		Code identifying the volume unit	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	S509	352 Description	O AN 1/80
		A free-form description to clarify the related data elements and their	

		content	
Must Use	S510	154	Standard Point Location Code O ID 6/9 Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city Refer to 004010 Data Element Dictionary for acceptable code values.
	S511	190	Accomplish Code O ID 1/1 Code indicating the status of a specified stop A Accomplished P Pending

Segment: **G62** **Date/Time**
Position: 460
Loop: S5 Optional
Level: Heading
Usage: Optional
Max Use: 6
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of G6201 or G6203 is required.
- 2 If either G6201 or G6202 is present, then the other is required.
- 3 If either G6203 or G6204 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	G6201	432	Date Qualifier Code specifying type of date 69 Scheduled Pick-Up Date 70 Scheduled Delivery Date	X ID 2/2
Must Use	G6202	373	Date Date expressed as CCYYMMDD	X DT 8/8
	G6203	176	Time Qualifier Code specifying the reported time 8 Actual Pickup Time 9 Actual Delivery Time A Actual Departure Time	X ID 1/2
	G6204	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	G6205	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **N1** Name
Position: 490
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			LP Loading Party	
			UP Unloading Party	
	N102	93	Name	X AN 1/60
			Free-form name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		10	Department of Defense Activity Address Code (DODAAC)	
		33	Commercial and Government Entity (CAGE)	
		A2	Military Assistance Program Address Code (MAPAC)	
Must Use	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **N2 Additional Name Information**
Position: 500
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	N201	93 Name Free-form name	M AN 1/60
Not Used	N202	93 Name Free-form name	O AN 1/60

Segment: **N3** **Address Information**
Position: 510
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data		Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N301	166	Address Information	M AN 1/55
			Address information	
Not Used	N302	166	Address Information	O AN 1/55
			Address information	

Segment: **N4 Geographic Location**
Position: 520
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N405	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N406	310 Location Identifier	O AN 1/30
		Code which identifies a specific location	

Segment: **PER** **Administrative Communications Contact**
Position: 540
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
Not Used	PER02	93	Name Free-form name	O AN 1/60
Must Use	PER03	365	Communication Number Qualifier Code identifying the type of communication number IT International Telephone TE Telephone	X ID 2/2
Must Use	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Not Used	PER05	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Not Used	PER07	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	PER08	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80

Not Used	PER09	443	Contact Inquiry Reference	O AN 1/20
Additional reference number or description to clarify a contact number				

Segment: **FA1** **Type of Financial Accounting Data**
Position: 550
Loop: FA1 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation

Syntax Notes:

- Semantic Notes:**
- 1 FA101 Identifies the organization controlling the assignment of financial accounting information.
 - 2 FA102 Identifies the purpose of the accounting allowance or charge information.

Comments:**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	FA101	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			DF Department of Defense (DoD)	
			DN Department of the Navy	
			DX United States Marine Corps	
			DY Department of Air Force	
			DZ Department of Army	
Not Used	FA102	1300	Service, Promotion, Allowance, or Charge Code	O ID 4/4
			Code identifying the service, promotion, allowance, or charge	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	FA103	248	Allowance or Charge Indicator	O ID 1/1
			Code which indicates an allowance or charge for the service specified	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **FA2** Accounting Data
Position: 560
Loop: FA1 Optional (Must Use)
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
M	FA201	1196 Breakdown Structure Detail Code	M ID 2/2

Codes identifying details relating to a reporting breakdown structure tree

*For current accounting data on the web, go to <http://www.lmi.org/dtedi/>
[Instructions: At that web location, select the IC navigator button.
Choose the 'ICs Completed' menu and select the 'FA2 Appropriation
Guide for Electronic Data Interchange (EDI) Payment of
Transportation Service at DFAS-IN'. That guide is available in PDF
format.]*

84	Total Direct Costs
A1	Department Indicator
A2	Transfer from Department
A3	Fiscal Year Indicator
A4	Basic Symbol Number
A5	Sub-class
A6	Sub-Account Symbol
AT	Air Force Transportation Account Code (ATAC)
B1	Budget Activity Number
B2	Budget Sub-activity Number
B3	Budget Program Activity
C1	Program Element
C2	Project Task or Budget Subline
D1	Defense Agency Allocation Recipient
D4	Component Sub-allocation Recipient
D6	Sub-allotment Recipient
D7	Work Center Recipient
E1	Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
E3	Customer Indicator

F1	Object Class
F3	Government or Public Sector Identifier
G2	Special Interest Code or Special Program Cost Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
J1	Document or Record Reference Number
K6	Accounting Classification Reference Code
L1	Accounting Installation Number
M1	Local Installation Data
MD	Movement Designator Code (MDC)
N1	Transaction Type
P5	Foreign Military Sales (FMS) Line Item Number
TA	Transportation Account Code (TAC)
ZZ	Mutually Defined

M	FA202	1195	Financial Information Code	M AN 1/80
Code representing financial accounting information				

Segment: **L10** **Weight**
Position: 570
Loop: FA1 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To transmit weight information
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	L1001	81	Weight	M R 1/10
			Numeric value of weight	
M	L1002	187	Weight Qualifier	M ID 1/2
			Code defining the type of weight	
			N Actual Net Weight	
Must Use	L1003	188	Weight Unit Code	O ID 1/1
			Code specifying the weight unit	
			L Pounds	

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Syntax Notes:**Semantic Notes:**

- Comments:**
- 1** The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
 - 2** HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
 - 3** HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
 - 4** HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
 - 5** HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	HL01	628 Hierarchical ID Number	M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
Not Used	HL02	734 Hierarchical Parent ID Number	O AN 1/12
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
M	HL03	735 Hierarchical Level Code	M ID 1/2
		Code defining the characteristic of a level in a hierarchical structure	
		2	Billing Arrangement
		AD	Administrative Information
		D	Product Description
		I	Item
		PH	Product Characteristic

			SS	Services	
Not Used	HL04	736	Hierarchical Child Code		O ID 1/1
Code indicating if there are hierarchical child data segments subordinate to the level being described					
Refer to 004010 Data Element Dictionary for acceptable code values.					

Segment: **N7 Equipment Details**
Position: 020
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the equipment
Syntax Notes: 1 If either N703 or N704 is present, then the other is required.
 2 If either N705 or N716 is present, then the other is required.
 3 If either N708 or N709 is present, then the other is required.
Semantic Notes: 1 N712 is the owner of the equipment.
 2 N723 is the operator or carrier of the rights of the equipment.
Comments: 1 N701 is mandatory for rail transactions.
 2 N720 and N721 are expressed in inches.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
	N701	206	Equipment Initial	O AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number	
M	N702	207	Equipment Number	M AN 1/10
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
Not Used	N703	81	Weight	X R 1/10
			Numeric value of weight	
Not Used	N704	187	Weight Qualifier	X ID 1/2
			Code defining the type of weight	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N705	167	Tare Weight	X N0 3/8
			Weight of the equipment	
Not Used	N706	232	Weight Allowance	O N0 2/6
			Allowance made for increased weight due to such factors as snow	
Not Used	N707	205	Dunnage	O N0 1/6
			Weight of material used to protect lading (even bracings, false floors, etc.)	
Not Used	N708	183	Volume	X R 1/8
			Value of volumetric measure	
Not Used	N709	184	Volume Unit Qualifier	X ID 1/1
			Code identifying the volume unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N710	102	Ownership Code	O ID 1/1
			Code indicating the relationship of equipment to carrier or ownership of equipment	

			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N711	40	Equipment Description Code	O ID 2/2
			Code identifying type of equipment used for shipment	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N712	140	Standard Carrier Alpha Code	O ID 2/4
			Standard Carrier Alpha Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N713	319	Temperature Control	O AN 3/6
			Free-form abbreviation of temperature range or flash-point temperature	
Not Used	N714	219	Position	O AN 1/3
			Relative position of shipment in car, trailer, or container (mutually defined)	
Not Used	N715	567	Equipment Length	O N0 4/5
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
Not Used	N716	571	Tare Qualifier Code	X ID 1/1
			Code identifying the type of tare	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N717	188	Weight Unit Code	O ID 1/1
			Code specifying the weight unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N718	761	Equipment Number Check Digit	O N0 1/1
			Number which designates the check digit applied to a piece of equipment	
Not Used	N719	56	Type of Service Code	O ID 2/2
			Code specifying extent of transportation service requested	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N720	65	Height	O R 1/8
			Vertical dimension of an object measured when the object is in the upright position	
Not Used	N721	189	Width	O R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
Not Used	N722	24	Equipment Type	O ID 4/4
			Code identifying equipment type	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N723	140	Standard Carrier Alpha Code	O ID 2/4
			Standard Carrier Alpha Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N724	301	Car Type Code	O ID 1/4
			Code specifying type of rail car or intermodal equipment type and its general characteristics	

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	NA Cross-Reference Equipment
Position:	030
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To cross-reference additional equipment to a primary piece of equipment
Syntax Notes:	1 If NA01 is present, then NA02 is required.
Semantic Notes:	1 NA07 is the owner's Standard Carrier Alpha Code (SCAC) code. 2 NA11 indicates the equipment damage status. A "Y" indicates equipment is damaged; an "N" indicates equipment is not damaged.
Comments:	1 NA03 contains the equipment initial of an associated shipment and is required by rail. If unknown, use NONZ for van or NONU for container. 2 NA04 contains the equipment number of an associated shipment. 3 NA09 is the Standard Carrier Alpha Code (SCAC) code of the operator of the equipment.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
NA01	128	Reference Identification Qualifier	O ID 2/3
		Code qualifying the Reference Identification	
		VT Motor Vehicle ID Number	
NA02	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		<i>See Section 9.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) for detailed description of how primary, secondary, and shipper owned equipment is mapped to the 858.</i>	
		<i>To find Section 9.0 on the web, go to http://www.lmi.org/dtedi/</i>	
		<i>[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 9.0. That document is available in PDF format.]</i>	
M	NA03	206 Equipment Initial	M AN 1/4
		Prefix or alphabetic part of an equipment unit's identifying number	
M	NA04	207 Equipment Number	M AN 1/10
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
Not Used	NA05	231 Cross Reference Type Code	O ID 1/1
		Code defining relationship of equipment to equipment cross-referenced	
		Refer to 004010 Data Element Dictionary for acceptable code values.	

Not Used	NA06	219	Position	O AN 1/3
			Relative position of shipment in car, trailer, or container (mutually defined)	
Not Used	NA07	140	Standard Carrier Alpha Code	O ID 2/4
			Standard Carrier Alpha Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	NA08	567	Equipment Length	O N0 4/5
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
Not Used	NA09	140	Standard Carrier Alpha Code	O ID 2/4
			Standard Carrier Alpha Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	NA10	845	Chassis Type	O ID 2/2
			Code identifying type of chassis	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	NA11	1073	Yes/No Condition or Response Code	O ID 1/1
			Code indicating a Yes or No condition or response	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **M7** Seal Numbers
Position: 040
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To record seal numbers used and the organization that applied the seals
Syntax Notes:
Semantic Notes:
Comments: 1 M705 indicates the name of the organization which applied the seal(s).

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	M701	225 Seal Number Unique number on seal used to close a shipment	M AN 2/15
Not Used	M702	225 Seal Number Unique number on seal used to close a shipment	O AN 2/15
Not Used	M703	225 Seal Number Unique number on seal used to close a shipment	O AN 2/15
Not Used	M704	225 Seal Number Unique number on seal used to close a shipment	O AN 2/15
Not Used	M705	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3

Segment: **L7** **Tariff Reference**
Position: 090
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 10
Purpose: To reference details of the tariff used to arrive at applicable rates or charge
Syntax Notes:
Semantic Notes:

- 1 L710 is the effective date.
- 2 In L715 and L716, "City" and "State" are used for rate combination city and state.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Not Used	L701	213	Lading Line Item Number	O N0 1/3
			Sequential line number for a lading item	
Must Use	L702	168	Tariff Agency Code	O ID 1/4
			Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Must Use	L703	171	Tariff Number	O AN 1/7
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	
Not Used	L704	172	Tariff Section	O AN 1/2
			Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	
Not Used	L705	169	Tariff Item Number	O AN 1/16
			Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	
Not Used	L706	170	Tariff Item Part	O N0 1/2
			Number assigned to subsection of a specific tariff item (arbitrary)	
Not Used	L707	59	Freight Class Code	O AN 2/5
			Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	
	L708	173	Tariff Supplement Identifier	O AN 1/4
			Identifier for the tariff supplement which contains the rate used	
Not Used	L709	46	Ex Parte	O AN 4/4
			Level of rates as published in the tariff	
	L710	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	

Not Used	L711	119	Rate Basis Number The (mileage) factor published for rating purposes in the appropriate tariff	O AN 1/6
Not Used	L712	227	Tariff Column A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications	O AN 1/2
Not Used	L713	294	Tariff Distance Distance on which the rate for a shipment is based	O N0 1/5
Not Used	L714	295	Distance Qualifier Code identifying the distance unit Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
Not Used	L715	19	City Name Free-form text for city name	O AN 2/30
Not Used	L716	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **SL1** **Tariff Reference**
Position: 095
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference details of the tariff used to arrive at applicable rates or charges for customer-requested service
Syntax Notes: 1 At least one of SL103 or SL104 is required.
Semantic Notes: 1 SL101 is the service requested by the customer.
2 SL105 is the effective date.
3 SL106 is the service provided by the carrier.
Comments: 1 Scale and commodity codes are proprietary codes maintained by the carrier.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SL101	284	Service Level Code Code indicating the level of transportation service or the billing service offered by the transportation carrier DF Deferred Service NF Next Flight Out ON Overnight SC Second Day Air SH Second Day Hundred Weight	M ID 2/2
Not Used	SL102	171	Tariff Number Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O AN 1/7
Must Use	SL103	22	Commodity Code Code describing a commodity or group of commodities	X AN 1/30
Not Used	SL104	320	Scale A carrier-maintained reference used to further identify a schedule of rates within a tariff	X AN 1/10
Not Used	SL105	373	Date Date expressed as CCYYMMDD	O DT 8/8
Not Used	SL106	284	Service Level Code Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	SL107	146	Shipment Method of Payment Code identifying payment terms for transportation charges Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2

Not Used	SL108	982	Data Source Code Code identifying source of data Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	SL109	210	International/Domestic Code Code indicating international or domestic shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

Segment: **N9** **Reference Identification**
Position: 100
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			1I	Department of Defense Identification Code (DoDIC)
			1P	Accessorial Status Code
			25	Reason Not Lowest Cost Code
			M6	Military Ordnance Security Risk Number
			MF	Manufacturers Part Number
			NS	National Stock Number
			P4	Project Code
			QN	Stop Sequence Number
			RQ	Purchase Requisition Number
			TG	Transportation Control Number (TCN)

Must Use **N902** **127** **Reference Identification** **X** **AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

See Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) for list of valid codes.

To find Section 6.0 on the web, go to <http://www.lmi.org/dtedi/>

[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]

Not Used	N903	369	Free-form Description	X	AN 1/45
			Free-form descriptive text		
	N904	373	Date	O	DT 8/8
			Date expressed as CCYYMMDD		
Not Used	N905	337	Time	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	N906	623	Time Code	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	N907	C040	Reference Identifier	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
Not Used	C04001	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04002	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04003	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04004	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04006	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: L5 Description, Marks and Numbers**Position:** 130**Loop:** HL Mandatory**Level:** Detail**Usage:** Optional (Must Use)**Max Use:** 10**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers

- Syntax Notes:**
- 1 If either L503 or L504 is present, then the other is required.
 - 2 If L507 is present, then L506 is required.
 - 3 If either L508 or L509 is present, then the other is required.

Semantic Notes:

- Comments:**
- 1 L502 may be used to send quantity information as part of the product description.

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
Not Used	L501	213	Lading Line Item Number	O N0 1/3
			Sequential line number for a lading item	
	L502	79	Lading Description	O AN 1/50
			Description of an item as required for rating and billing purposes	
Must Use	L503	22	Commodity Code	X AN 1/30
			Code describing a commodity or group of commodities	
Must Use	L504	23	Commodity Code Qualifier	X ID 1/1
			Code identifying the commodity coding system used for Commodity Code	
			D Department of Defense Unique Codes	
			L Last Contained Contents STCC	
			N National Motor Freight Classification (NMFC)	
			T Standard Transportation Commodity Code (STCC)	
			U Uniform Freight Classification (UFC)	
Not Used	L505	103	Packaging Code	O AN 3/5
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	L506	87	Marks and Numbers	X AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
Not Used	L507	88	Marks and Numbers Qualifier	O ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	L508	23	Commodity Code Qualifier	X ID 1/1

858R - Freight Bill of Lading Shipment Information

			Code identifying the commodity coding system used for Commodity Code Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	L509	22	Commodity Code	X AN 1/30
			Code describing a commodity or group of commodities	
Not Used	L510	595	Compartment ID Code	O ID 1/1
			Code identifying the compartment in a compartmentalized tank car Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **LH6** **Hazardous Certification**

Position: 134

Loop: HL Mandatory

Level: Detail

Usage: Optional

Max Use: 5

Purpose: To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

Syntax Notes: 1 If either LH602 or LH603 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	LH601	93 Name Free-form name	O AN 1/60
Must Use	LH602	272 Hazardous Certification Code Code indicating the form of the hazardous certification 1 Abbreviated Hazardous Certification 2 Long Form of Hazardous Certification	X ID 1/1
Must Use	LH603	273 Hazardous Certification Declaration Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	X AN 1/25
	LH604	273 Hazardous Certification Declaration Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	O AN 1/25

Segment: **NTE** **Note/Special Instruction**
Position: 140
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:**Semantic Notes:**

Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>ID</u> <u>3/3</u>
Must Use	NTE01	363 Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
		OTH Other Instructions	
M	NTE02	352 Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment:	L0 Line Item - Quantity and Weight
Position:	145
Loop:	L0 Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either L002 or L003 is present, then the other is required. 2 If either L004 or L005 is present, then the other is required. 3 If either L006 or L007 is present, then the other is required. 4 If either L008 or L009 is present, then the other is required. 5 If L011 is present, then L004 is required. 6 If either L013 or L015 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 L008 is the number of handling units of the line item tendered to the carrier. 2 L013 can only be used if the code in L009 is PLT, SKD, or SLP. 3 L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.
Comments:	<ol style="list-style-type: none"> 1 L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	L001	213 Lading Line Item Number	O N0 1/3
		Sequential line number for a lading item	
Must Use	L002	220 Billed/Rated-as Quantity	X R 1/11
		Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
		<i>See Section 9.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) for looping logic of DG 120.</i>	
		<i>To find Section 9.0 on the web, go to http://www.lmi.org/dtedi/</i>	
		<i>[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 9.0. That document is available in PDF format.]</i>	
	L003	221 Billed/Rated-as Qualifier	X ID 2/2
		Code identifying the type of quantity or value on which the rate or item pricing is based	
		<i>See Service Identifier Codes(L108) in Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) for the</i>	

application of this data element.

To find Section 6.0 on the web, go to <http://www.lmi.org/dtedi/>

[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]

			BA	Barrels		
			GL	Gallon		
			LB	Pound		
	L004	81	Weight		X	R 1/10
			Numeric value of weight			
Must Use	L005	187	Weight Qualifier		X	ID 1/2
			Code defining the type of weight			
			A1	Dimensional Weight		
			CD	Chargeable Dunnage		
			CE	Certified Weight of Cargo		
			FR	Freight Weight		
			G	Gross Weight		
			N	Actual Net Weight		
			PA	Pallet Weight		
			SK	Skid Weight		
			T	Tare Weight		
Must Use	L006	183	Volume		X	R 1/8
			Value of volumetric measure			
Must Use	L007	184	Volume Unit Qualifier		X	ID 1/1
			Code identifying the volume unit			
			E	Cubic Feet		
			G	Gallons		
			H	Hundreds of Measurement Tons		
			S	Measurement Ton		
			V	Liter		
			X	Cubic Meters		
Must Use	L008	80	Lading Quantity		X	N0 1/7
			Number of units (pieces) of the lading commodity			
Must Use	L009	211	Packaging Form Code		X	ID 3/3
			Code for packaging form of the lading quantity			

See Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) for code list.

To find Section 6.0 on the web, go to <http://www.lmi.org/dtedi/>

			<i>[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	L010	458	Dunnage Description	O AN 2/25
			Material used to protect lading	
			<i>See Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) for code list.</i>	
			<i>To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/</i>	
			<i>[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]</i>	
Must Use	L011	188	Weight Unit Code	O ID 1/1
			Code specifying the weight unit	
			K	Kilograms
			L	Pounds
			S	Short Ton
			T	Long Ton
Must Use	L012	56	Type of Service Code	O ID 2/2
			Code specifying extent of transportation service requested	
			DD	Door to Door
Not Used	L013	380	Quantity	X R 1/15
			Numeric value of quantity	
Not Used	L014	211	Packaging Form Code	O ID 3/3
			Code for packaging form of the lading quantity	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	L015	1073	Yes/No Condition or Response Code	X ID 1/1
			Code indicating a Yes or No condition or response	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **L1 Rate and Charges**
Position: 150
Loop: L0 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 20
Purpose: To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

Syntax Notes:

- 1 If either L102 or L103 is present, then the other is required.
- 2 At least one of L104 L105 or L106 is required.
- 3 If either L114 or L115 is present, then the other is required.
- 4 If either L117 or L118 is present, then the other is required.

Semantic Notes:

- 1 L119 is the percent used to determine the charge in L104.
- 2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.
- 3 L121 is the origin rated as charge amount.

Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	L101	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
	L102	60	Freight Rate Rate that applies to the specific commodity	X R 1/9
	L103	122	Rate/Value Qualifier Code qualifying how to extend charges or interpret value <i>See Service Identifier Codes(L108) in Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) for the application of this data element.</i> <i>To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/</i> <i>[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]</i> Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
Must Use	L104	58	Charge For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	X N2 1/12
Not Used	L105	191	Advances Incidental charges occurring during transportation which are not generally	X N2 1/9

			considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	
Not Used	L106	117	Prepaid Amount	X N2 1/9
			Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	
Not Used	L107	120	Rate Combination Point Code	O AN 3/9
			The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Must Use	L108	150	Special Charge or Allowance Code	O ID 3/3
			Code identifying type of special charge or allowance	
			<i>Reference the code list in Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) for the appropriate codes.</i>	
			<i>To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/</i>	
			<i>[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]</i>	
			405	Fuel Surcharge
			AIR	Air Freight
			BSC	Bunker Surcharge
Must Use	L109	121	Rate Class Code	O ID 1/3
			Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k	
			A	Alternate Rating
			C	Specific Commodity Rate
			I	Class Not Identifiable
			L	Class Rate
			QUO	Quoted Rate
			Y	Exception Rating
Not Used	L110	39	Entitlement Code	O ID 1/1
			Code identifying entitlement party	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	L111	16	Charge Method of Payment	O ID 1/1
			Code defining method of payment	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	L112	276	Special Charge Description	O AN 2/25
			Identification of special charge; this data element is used whenever an	

applicable code cannot be found in data element 150

See Service Identifier Codes (L108) in Section 6.0 (DTEDI Freight Bill of Lading Shipment Information Implementation Convention) for the application of this data element.

To find Section 6.0 on the web, go to <http://www.lmi.org/dtedi/>

[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]

Not Used	L113	257	Tariff Application Code	O ID 1/1
			Code indicating to which traffic a tariff applies Refer to 004010 Data Element Dictionary for acceptable code values.	
	L114	74	Declared Value	X N2 2/12
			Monetary assigned value expressed in the standard monetary denomination for the currency specified	
	L115	122	Rate/Value Qualifier	X ID 2/2
			Code qualifying how to extend charges or interpret value	
			LA Per Pound Per Article	
			LB Per Pound	
			LV Per Pound Per Vehicle	
			PV Per Vehicle	
Not Used	L116	372	Lading Liability Code	O ID 1/1
			Code identifying limits of liability Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	L117	220	Billed/Rated-as Quantity	X R 1/11
			Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
Not Used	L118	221	Billed/Rated-as Qualifier	X ID 2/2
			Code identifying the type of quantity or value on which the rate or item pricing is based Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	L119	954	Percent	O R 1/10
			Percentage expressed as a decimal	
Not Used	L120	100	Currency Code	O ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	L121	610	Amount	O N2 1/15
			Monetary amount	

Segment: MEA Measurements**Position:** 160**Loop:** L0 Optional (Must Use)**Level:** Detail**Usage:** Optional**Max Use:** 10**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

- Syntax Notes:**
- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
 - 2 If MEA05 is present, then MEA04 is required.
 - 3 If MEA06 is present, then MEA04 is required.
 - 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
 - 5 Only one of MEA08 or MEA03 may be present.

Semantic Notes: 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments: 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
Must Use	MEA01	737	Measurement Reference ID Code	O ID 2/2
			Code identifying the broad category to which a measurement applies	
			CT Counts	
			DN Dunnage Dimension	
			NX Net Explosive Weight	
			PA Pallet Dimensions	
			SD Shipped Dimensions	
			SK Skid Dimensions	
Must Use	MEA02	738	Measurement Qualifier	O ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies	
			B Billed Weight	
			HT Height	
			LN Length	
			WD Width	
Must Use	MEA03	739	Measurement Value	X R 1/20
			The value of the measurement	
Must Use	MEA04	C001	Composite Unit of Measure	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner	

in which a measurement has been taken

FT	Foot
GA	Gallon
IN	Inch
KG	Kilogram
LT	Liter
PN	Pounds Net
RO	Round

Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00112	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00113	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00114	1018	Exponent	O R 1/15

			Power to which a unit is raised	
Not Used	C00115	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	MEA05	740	Range Minimum	X R 1/20
			The value specifying the minimum of the measurement range	
Not Used	MEA06	741	Range Maximum	X R 1/20
			The value specifying the maximum of the measurement range	
Not Used	MEA07	935	Measurement Significance Code	O ID 2/2
			Code used to benchmark, qualify or further define a measurement value	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	MEA08	936	Measurement Attribute Code	X ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	MEA09	752	Surface/Layer/Position Code	O ID 2/2
			Code indicating the product surface, layer or position that is being described	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	MEA10	1373	Measurement Method or Device	O ID 2/4
			The method or device used to record the measurement	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: LH1 Hazardous Identification Information**Position:** 170**Loop:** LH1 Optional**Level:** Detail**Usage:** Optional**Max Use:** 1**Purpose:** To specify the hazardous commodity identification reference number and quantity**Syntax Notes:****Semantic Notes:**

- Comments:**
- 1 LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
 - 2 LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.
 - 3 In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LH101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken ZZ Mutually Defined	M ID 2/2
M	LH102	80	Lading Quantity Number of units (pieces) of the lading commodity	M N0 1/7
Must Use	LH103	277	UN/NA Identification Code Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 6/6
Not Used	LH104	200	Hazardous Materials Page The United Nations page number as required for the international transport of hazardous materials	O AN 1/6
Not Used	LH105	22	Commodity Code Code describing a commodity or group of commodities	O AN 1/30
	LH106	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 20 20 Foot Container 2C Roentgen 2Q Kilobecquerel 2R Kilocurie	O ID 2/2

858R - Freight Bill of Lading Shipment Information

2Y	Milliroentgen
40	Milliliter per Second
4D	Curie
4N	Megabecquerel
BR	Barrel
CW	Hundred Pounds (CWT)
D2	Shares
DG	Decigram
DJ	Decagram
DL	Deciliter
FO	Fluid Ounce
G4	Gigabecquerel
GA	Gallon
GM	Grams per Sq. Meter
GR	Gram
H1	Half Pages - Electronic
HG	Hectogram
KG	Kilogram
KR	Kiloroentgen
LB	Pound
LG	Long Ton
LT	Liter
M0	Magnetic Tapes
M5	Microcurie
MC	Microgram
ME	Milligram
MG	Metric Gross Ton
ML	Milliliter
MP	Metric Ton
MU	Millicurie
NS	Short Ton
OZ	Ounce - Av
PS	Pounds per Sq. Inch
PT	Pint
Q2	Pint U.S. Dry
QT	Quart
R2	Becquerel

	LH107	380	Quantity	O R 1/15
			Numeric value of quantity	
Not Used	LH108	595	Compartment ID Code	O ID 1/1
			Code identifying the compartment in a compartmentalized tank car	

			Refer to 004010 Data Element Dictionary for acceptable code values.	
	LH109	665	Residue Indicator Code	O ID 1/1
			Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded	
			R	Residue Last Contained Description (Tank Car)
	LH110	254	Packing Group Code	O ID 1/3
			Code indicating degree of danger in terms of Roman number I, II or III	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	LH111	1375	Interim Hazardous Material Regulatory Number	O AN 1/5
			Identifies the current regulatory version number used for hazardous materials shipments	

Segment: LH2 Hazardous Classification Information**Position:** 180**Loop:** LH1 Optional**Level:** Detail**Usage:** Optional**Max Use:** 4**Purpose:** To specify the hazardous notation and endorsement information**Syntax Notes:** 1 If either LH206 or LH207 is present, then the other is required.

2 If either LH208 or LH209 is present, then the other is required.

3 If either LH210 or LH211 is present, then the other is required.

Semantic Notes: 1 LH206 and LH207 indicate the flashpoint temperature.

2 LH208 and LH209 indicate the control temperature.

3 LH210 and LH211 indicate the emergency temperature.

Comments:**Data Element Summary**

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>ID</u>
Must Use	LH201	215 Hazardous Classification	O ID 1/30
		The hazardous classification corresponding to the shipping name of the hazardous commodity	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Must Use	LH202	983 Hazardous Class Qualifier	O ID 1/1
		Code qualifying hazardous class	
		P Primary	
		S Secondary	
Not Used	LH203	218 Hazardous Placard Notation	O ID 14/40
		The placard notation corresponding to the hazard class of the hazardous commodity	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	LH204	222 Hazardous Endorsement	O ID 4/25
		The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	LH205	759 Reportable Quantity Code	O ID 2/2
		Code to identify presence of hazardous substance	
		RQ Reportable Quantity	
	LH206	355 Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		CE Centigrade, Celsius	
		FA Fahrenheit	

	LH207	408	Temperature Temperature	X R 1/4
Not Used	LH208	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	LH209	408	Temperature Temperature	X R 1/4
Not Used	LH210	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	LH211	408	Temperature Temperature	X R 1/4

Segment: **LH3** **Hazardous Material Shipping Name**

Position: 190

Loop: LH1 Optional

Level: Detail

Usage: Optional

Max Use: 12

Purpose: To specify the hazardous material shipping name and additional descriptive requirements

Syntax Notes: 1 If either LH301 or LH302 is present, then the other is required.

Semantic Notes: 1 If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LH301	224		Hazardous Material Shipping Name	X AN 1/25
				The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49	
Must Use	LH302	984		Hazardous Material Shipping Name Qualifier	X ID 1/1
				Qualifier indicating the source (regulatory) of the proper shipping name	
			C	Canadian Shipping Name	
			D	Domestic (United States) Shipping Name	
			I	International Shipping Name	
	LH303	985		N.O.S. Indicator Code	O ID 3/3
				Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified	
			NOS	N.O.S. Regulatory Requirements Apply	
Not Used	LH304	1073		Yes/No Condition or Response Code	O ID 1/1
				Code indicating a Yes or No condition or response	
				Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **LFH** Freeform Hazardous Material Information

Position: 191

Loop: LH1 Optional

Level: Detail

Usage: Optional

Max Use: 20

Purpose: To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

Syntax Notes: 1 If either LFH05 or LFH06 is present, then the other is required.

Semantic Notes: 1 LFH06 indicates activity of the radioactive material.

2 LFH07 indicates transport index of the radioactive material.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	LFH01	808	Hazardous Material Shipment Information Qualifier	M ID 3/3
			Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements	
			ADI Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper	
			DWW "Dangerous When Wet" Declaration	
			HOT Identifies Products in a Heated Molten State	
			LQY "Limited Quantity" Declaration	
			PIH "Poison - Inhalation Hazard" Declaration	
			POI "Poison" Declaration	
			RAM Radioactive Material Data	
			TEC Technical or Chemical Group Name	
M	LFH02	809	Hazardous Material Shipment Information	M AN 1/25
			Specific information required by law for hazardous material shipments	
	LFH03	809	Hazardous Material Shipment Information	O AN 1/25
			Specific information required by law for hazardous material shipments	
	LFH04	1023	Hazard Zone Code	O ID 1/1
			Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone	
			A Hazard Zone A	
			B Hazard Zone B	
			C Hazard Zone C	
			D Hazard Zone D	
Not Used	LFH05	355	Unit or Basis for Measurement Code	X ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	LFH06	380	Quantity	X R 1/15
-----------------	--------------	------------	-----------------	-----------------

Numeric value of quantity

Not Used	LFH07	380	Quantity	O R 1/15
-----------------	--------------	------------	-----------------	-----------------

Numeric value of quantity

Segment: **LHR** **Hazardous Material Identifying Reference Numbers**
Position: 210
Loop: LH1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To transmit specific hazardous material reference numbers
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	LHR01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			HA Competent Authority	
			HD Department of Transportation Hazardous Number	
			HE Hazardous Exemption Number	
			IM Intergovernmental Maritime Organization (IMO) Number	
M	LHR02	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	LHR03	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	

Segment: **FA1** Type of Financial Accounting Data
Position: 230
Loop: FA1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation

Syntax Notes:

- Semantic Notes:**
- 1 FA101 Identifies the organization controlling the assignment of financial accounting information.
 - 2 FA102 Identifies the purpose of the accounting allowance or charge information.

Comments:**Data Element Summary**

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	FA101	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			DF Department of Defense (DoD)	
			DN Department of the Navy	
			DX United States Marine Corps	
			DY Department of Air Force	
			DZ Department of Army	
Not Used	FA102	1300	Service, Promotion, Allowance, or Charge Code	O ID 4/4
			Code identifying the service, promotion, allowance, or charge	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	FA103	248	Allowance or Charge Indicator	O ID 1/1
			Code which indicates an allowance or charge for the service specified	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **FA2** Accounting Data
Position: 240
Loop: FA1 Optional
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
M	FA201	1196 Breakdown Structure Detail Code	M ID 2/2

Codes identifying details relating to a reporting breakdown structure tree

*For current accounting data on the web, go to <http://www.lmi.org/dtedi/>
 [Instructions: At that web location, select the IC navigator button.
 Choose the 'ICs Completed' menu and select the 'FA2 Appropriation
 Guide for Electronic Data Interchange (EDI) Payment of
 Transportation Service at DFAS-IN'. That guide is available in PDF
 format.]*

84	Total Direct Costs
A1	Department Indicator
A2	Transfer from Department
A3	Fiscal Year Indicator
A4	Basic Symbol Number
A5	Sub-class
A6	Sub-Account Symbol
AT	Air Force Transportation Account Code (ATAC)
B1	Budget Activity Number
B2	Budget Sub-activity Number
B3	Budget Program Activity
C1	Program Element
C2	Project Task or Budget Subline
D1	Defense Agency Allocation Recipient
D4	Component Sub-allocation Recipient
D6	Sub-allotment Recipient
D7	Work Center Recipient
E1	Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
E3	Customer Indicator

F1	Object Class
F3	Government or Public Sector Identifier
G2	Special Interest Code or Special Program Cost Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
J1	Document or Record Reference Number
K6	Accounting Classification Reference Code
L1	Accounting Installation Number
M1	Local Installation Data
MD	Movement Designator Code (MDC)
N1	Transaction Type
P5	Foreign Military Sales (FMS) Line Item Number
TA	Transportation Account Code (TAC)
ZZ	Mutually Defined

M FA202 1195 Financial Information Code M AN 1/80
 Code representing financial accounting information

Segment: **L10** **Weight**
Position: 250
Loop: FA1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit weight information
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	L1001	81	Weight Numeric value of weight	M R 1/10
M	L1002	187	Weight Qualifier Code defining the type of weight N Actual Net Weight	M ID 1/2
Must Use	L1003	188	Weight Unit Code Code specifying the weight unit L Pounds	O ID 1/1

Segment: **N1** Name
Position: 290
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			MA Party for whom Item is Ultimately Intended	
	N102	93	Name	X AN 1/60
			Free-form name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			10 Department of Defense Activity Address Code (DODAAC)	
			33 Commercial and Government Entity (CAGE)	
			A2 Military Assistance Program Address Code (MAPAC)	
Must Use	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **N2** **Additional Name Information**
Position: 300
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	N201	93 Name Free-form name	M AN 1/60
Not Used	N202	93 Name Free-form name	O AN 1/60

Segment: **N3** **Address Information**
Position: 310
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	N301	166	Address Information Address information	M AN 1/55
Not Used	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 320
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N405	309	X ID 1/2
		Location Qualifier	
		Code identifying type of location	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N406	310	O AN 1/30
		Location Identifier	
		Code which identifies a specific location	

Segment: **L3 Total Weight and Charges****Position:** 010**Loop:****Level:** Summary**Usage:** Optional (Must Use)**Max Use:** 1**Purpose:** To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

Syntax Notes:

- 1 If either L301 or L302 is present, then the other is required.
- 2 If either L303 or L304 is present, then the other is required.
- 3 If either L309 or L310 is present, then the other is required.
- 4 If L312 is present, then L301 is required.
- 5 If either L314 or L315 is present, then the other is required.

Semantic Notes: 1 L305 is the total charges.**Comments:****Data Element Summary**

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
Not Used	L301	81 Weight Numeric value of weight	X R 1/10
Not Used	L302	187 Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	L303	60 Freight Rate Rate that applies to the specific commodity	X R 1/9
Not Used	L304	122 Rate/Value Qualifier Code qualifying how to extend charges or interpret value Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
Must Use	L305	58 Charge For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	O N2 1/12
Not Used	L306	191 Advances Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	O N2 1/9
Not Used	L307	117 Prepaid Amount Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	O N2 1/9
Not Used	L308	150 Special Charge or Allowance Code Code identifying type of special charge or allowance	O ID 3/3

			Refer to 004010 Data Element Dictionary for acceptable code values.	
	L309	183	Volume	X R 1/8
			Value of volumetric measure	
	L310	184	Volume Unit Qualifier	X ID 1/1
			Code identifying the volume unit	
			E	Cubic Feet
			F	100 Board Feet
			G	Gallons
			H	Hundreds of Measurement Tons
			S	Measurement Ton
			V	Liter
			X	Cubic Meters
	L311	80	Lading Quantity	O N0 1/7
			Number of units (pieces) of the lading commodity	
Not Used	L312	188	Weight Unit Code	O ID 1/1
			Code specifying the weight unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	L313	171	Tariff Number	O AN 1/7
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	
Not Used	L314	74	Declared Value	X N2 2/12
			Monetary assigned value expressed in the standard monetary denomination for the currency specified	
Not Used	L315	122	Rate/Value Qualifier	X ID 2/2
			Code qualifying how to extend charges or interpret value	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:**Semantic Notes:**

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	